

INFORMATION DISCLOSURE CITATION				ATTORNEY'S DKT NO. 021565-155		APPLICATION NO. TBA (Div of 09/661,016))	
PTO-1449				APPLICANT VAN MELLAERT et al.			
				FILING DATE Even date herewith		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
ARK	5,500,365	3/1996	Fischhoff et al.				
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
ARK	A. Devonshire et al., "A Carboxylesterase with Broad Substrate Specificity Causes Organophosphorus, Carbamate and Pyrethroid Resistance in Peach - Potato Aphids (<i>Myzus persicae</i>) Pesticide Biochemistry and Physiology (1982) 18:235-246						
1	C. Hofmann et al., "Specificity of <i>Bacillus thuringiensis</i> -endotoxins is Correlated With the Presence of High-Affinity Binding Sites in the Brush Border Membrane of Target Insect Midguts", Proc. Natl. Acad. Sci. USA (1988) 85:7844-7848						
1	Van Mellaert et al "Binding of Different Types of Bacillus Thuringiensis Delta-Endotoxins to Midgut Brush Border Membrane Vesicles is Correlated with the Insecticidal Spectrum", XXI Annual Meeting of the Society for Invertebrate Pathology at the University of California, San Diego at La Jolla on August 14-18, 1988.						
1	H. Van Mellaert et al., "The Mode of Action of <i>Bacillus Thuringiensis</i> Delta-Endotoxins: Binding to Lepidopteran Midgut Membranes" <i>Insect Pathology and Biological Control</i> , VIII C2, pp. 257						
ARK	M. Vaeck et al., "Transgenic Plants Protected From Insect Attack", <i>Nature</i> 328:33-37 (1987)						
EXAMINER	[Signature]			DATE CONSIDERED 1/23/86			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FOREIGN PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation Yes No
Arc	305,275	03/01/89	European Patent Office			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
Arc	C. Payne, "Current Uses and Future Prospects for Microbial Pest Control Agents", <u>Med. Fac. Landbouww. Rijksuniv., Gent</u> , 52(2a), 1987, pp. 113-123					
	G. Mani, "Evolution of Resistance in the Presence of Two Insecticides", <u>The Genetics Society of America</u> , Nov. 1985, pp.761-783.					
Anv	J. Wong et al, "Cloning and Nucleotide Sequence of the Gene Coding for a 135-KDAL Protein of <i>Bacillus Thuringiensis Aizawai</i> ", pp. 27. 1988					
EXAMINER	Date Considered			1/23/86		

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FOREIGN PATENT DOCUMENTS								
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						Yes	No	
JLK	EP0228838		Europe					
	WO88/08880		PCT					
	EP0192319		Europe					
	EP0221024		Europe					
JLK	EP0193259		Europe					
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
JLK	"Simultaneous Expression of Two Kinds of Insecticidal Proteins," <i>Patent Abstracts of Japan</i> , Vol. 13, No. 326, (1989) C-620							
	"A Translation Fusion Product of Two Different Insecticidal Crystal Protein Genes of <i>Bacillus thuringiensis</i> Exhibits an Enlarged Insecticidal Spectrum" <i>Chemical Abstracts</i> , Vol. 112, No. 21 (1990), p. 262, 193742F							
	"Binding of the Delta Endotoxin From <i>Bacillus thuringiensis</i> to Brush Border Membrane Vesicles of the Cabbage Butterfly (<i>Pieris brassicae</i>)", <i>Eur. J. Biochem</i> , Vol. 173 (1988), pp. 85-91							
	"Specificity of <i>Bacillus thuringiensis</i> Delta-Endotoxins is Corrected With The Presence of High-Affinity Binding Sites in the Brush Border Membrane of Target Insect Midgut", <i>Proc. Natl. Acad. Sci.</i> , Vol. 85 (1988), pp. 7844-7848							
JLK	"Chimera Insecticidal Protein of <i>Bacillus thuringiensis</i> ", <i>Patent Abstracts of Japan</i> , Vol. 12, No. 391 (1988) (C-537)							
EXAMINER				DATE CONSIDERED				

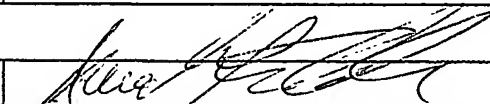
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Substitute for form 1449A/PTO & 1449B/PTO		Complete if Known	
FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(use as many sheets as necessary)</small>		Application Number	Div of 09/661,016
		Filing Date	Even date herewith
		First Named Inventor	Herman VAN MELLAERT et al.
		Examiner Name	
Sheet	4 of 4	Attorney Docket Number	021565-155

U.S. PATENT DOCUMENTS				
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
AK	5,866,784		Van Mellaert et al.	02/02/1999
A.	5,908,970		Van Mellaert et al.	06/0/1999
AM	6,172,291		Van Mellaert et al.	01/2001

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation	
					Yes	No

NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
AK	Christina Hofmann, "The Binding of <i>Bacillus thuringiensis</i> Delta-endotoxin to Cultured Insect Cells and to Brush Border Membrane Vesicles", a dissertation submitted to the Swiss Federal Institute of Technology in Zurich, Switzerland, for the degree of Doctor of Natural Sciences, ADAG Administration & Druck AG, Zurich 1988, Diss. ETH No. 8498

Examiner Signature		Date Considered	1/23/06
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